

**Mouse Tfap2a Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20558c****Specification**

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**Mouse Tfap2a Antibody (Center) - Product Information**

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Application       | WB,E                                                                     |
| Primary Accession | <a href="#">P34056</a>                                                   |
| Other Accession   | <a href="#">P58197</a> , <a href="#">A1A4R9</a> , <a href="#">Q9N0N3</a> |
| Reactivity        | Mouse                                                                    |
| Predicted         | Bovine, Rat, Sheep                                                       |
| Host              | Rabbit                                                                   |
| Clonality         | Polyclonal                                                               |
| Isotype           | Rabbit IgG                                                               |
| Calculated MW     | 47971                                                                    |

**Mouse Tfap2a Antibody (Center) - Additional Information****Gene ID** 21418**Other Names**

Transcription factor AP-2-alpha, AP2-alpha, AP-2 transcription factor, Activating enhancer-binding protein 2-alpha, Activator protein 2, AP-2, Tfap2a, Ap2tf, Tcfap2a

**Target/Specificity**

This mouse Tfap2a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 134-166 amino acids from the Central region of mouse Tfap2a.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Tfap2a Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Tfap2a Antibody (Center) - Protein Information****Name** Tfap2a**Synonyms** Ap2tf, Tcfap2a

**Function** Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2-alpha is the only AP-2 protein required for early morphogenesis of the lens vesicle. Together with the CITED2 coactivator, stimulates the PITX2 P1 promoter transcription activation. Associates with chromatin to the PITX2 P1 promoter region.

#### Cellular Location

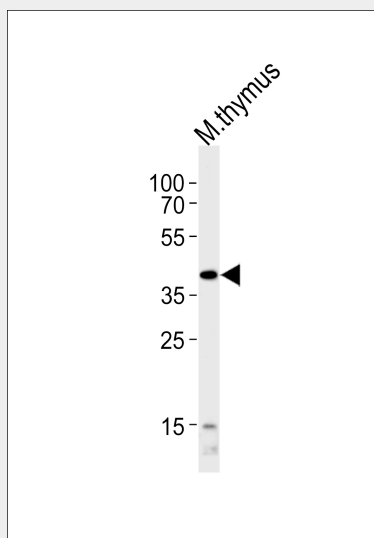
Nucleus.

#### Mouse Tfap2a Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Mouse Tfap2a Antibody (Center) - Images



Western blot analysis of lysate from mouse thymus tissue lysate, using Mouse Tfap2a Antibody (Center) (Cat. #AP20558c). AP20558c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

#### Mouse Tfap2a Antibody (Center) - Background

Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a

number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2-alpha is the only AP-2 protein required for early morphogenesis of the lens vesicle. Together with the CITED2 coactivator, stimulates the PITX2 P1 promoter transcription activation. Associates with chromatin to the PITX2 P1 promoter region.

#### **Mouse Tfap2a Antibody (Center) - References**

Moser M.,et al.Nucleic Acids Res. 21:4844-4844(1993).  
Meier P.,et al.Dev. Biol. 169:1-14(1995).  
Carninci P.,et al.Science 309:1559-1563(2005).  
Mitchell P.J.,et al.Genes Dev. 5:105-119(1991).  
Yahata T.,et al.Genomics 80:601-613(2002).